

Converting Colors

CIELCh(42, 40.218, 257.309)

Have a look what the booklet for
CIELCh(42, 40.218, 257.309)
contains.

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Color

CIELCh(43, 38.004, 263.941)

Conversions

Conversions Part 1

Format	Color
Hex	006BA4
RGB	0, 107, 164
RGB Percent	0%, 42%, 64%
CMY	1.0000, 0.5809, 0.3575
CMYK	1.00, 0.35, 0.00, 0.36
HSL	201°, 100%, 32%
HSV	201°, 100%, 64%
XYZ	11.9235, 13.1578, 36.9607
YIQ	81.5050, -82.0690, -4.9570

Conversions

Conversions Part 2

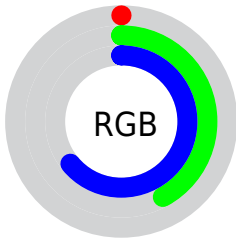
Format	Color
RYB	0, 65, 164
Decimal	27556
CIELab	43.00, -4.01, -37.79
CIELCh	43, 38.004, 263.941
Yxy	13.1578, 0.1922, 0.2121
Android (android.graphics.Color)	4278217636 (0xFF006BA4)
YUV	81.5050, 40.6700, -71.4799
Hunter-Lab	36.2736, -4.8039, -35.0215

Details

The CIELCh color **43, 38.004, 263.941** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **39, 65.943, 50.262**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 37.922, 263.708**, and **25, 35.133, 277.991** is the 20% darker color. If you saturate the color by 10%, you get **43, 37.993, 263.976**, and if you desaturate by 10%, it is **45, 35.342, 259.171**.

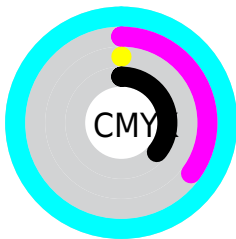
Distribution



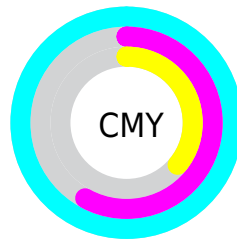
- Red (0%)
- Green (42%)
- Blue (64%)



- Red (0%)
- Yellow (25%)
- Blue (64%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (36%)





- Cyan (100%)
- Magenta (58%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 38.004, 263.941 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 43, 38.004, 263.941 by changing the saturation by 10% instead.


 43, 38.004,
263.941


 43, 38.004,
263.941


 100, 38.004,
263.941


 33, 38.004,
263.941

 63, 38.004,
263.941


 23, 38.004,
263.941

 73, 38.004,
263.941

 13, 38.004,
263.941

 83, 38.004,
263.941

 3, 38.004, 263.941

 93, 38.004,
263.941

 0, 38.004, 263.941

 43, 38.004,

 43, 38.004,

263.941

■ 43, 37.993,
263.976

263.941

■ 45, 35.342,
259.171

■ 47, 32.635,
254.692

■ 49, 29.683,
250.832

■ 51, 26.403,
247.597

■ 54, 22.762,
244.934

■ 56, 18.766,
242.768

■ 59, 14.446,
241.018

■ 62, 9.847, 239.611

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



43, 38.004, 263.941



39, 65.943, 50.262

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43, 38.004, 263.941



43, 38.004, 313.941



43, 38.004, 83.941



43, 38.004, 133.941

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



43, 37.993, 263.976



75, 17.942, 241.107



59, 73.989, 142.412



38, 12.098, 241.769



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43, 37.993, 263.976



56, 46.944, 265.038



22, 86.321, 303.234



33, 2.833, 238.434



38, 34.579, 263.408



3, 4.545, 244.560

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36, 64.542, 348.311



47, 78.501, 348.831



58, 62.425, 90.834



32, 4.909, 336.898



32, 59.229, 348.039



1, 7.271, 338.882

Previews

White Background



This preview shows how the CIELCh color 43, 38.004, 263.941 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 43, 38.004, 263.941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 43, 38.004, 263.941

Background



This preview shows how black text looks on a background with the CIELCh color 43, 38.004, 263.941.

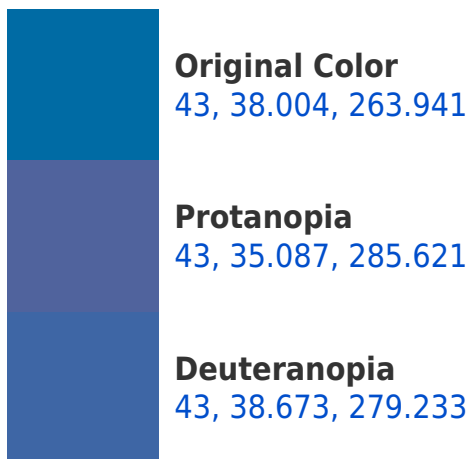


This preview shows how white text looks on a background with the CIELCh color 43, 38.004, 263.941.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
43, 26.594, 207.182

Trichromacy



Original Color
43, 38.004, 263.941

Protanomaly
42, 35.983, 273.227

Deuteranomaly
43, 38.709, 271.770

Tritanomaly
43, 27.523, 232.337

Monochromacy



Original Color
43, 38.004, 263.941

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 17.617, 246.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 38.004, 263.941 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 107, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 164)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 107, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 38.004, 263.941 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 107, 164) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 107, 164) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 107, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 38.004, 263.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 164) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 107,  
164) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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